

Focus Area Updates

Report to the
National Sea Grant Advisory Board

February 28, 2014



Elizabeth
Bevan



Tammy
Newcomer Johnson



Sustainable Coastal Development

Membership Updates

- Michael Liffmann, NSGO – *Chair*
- Brian Miller, IL-IN SG – *Vice-Chair*
- Chris Hayes, NSGO – *Chair Alternate*
- **Elizabeth Bevan, NSGO –
Coastal Communities Specialist
(replacing Hank Hodde)**
- John Carey, HI SG
- James Falk, DE SG
- Kristen Grant, ME SG
- David Hart, WI SG
- James Hurley, WI SG
- John Jacob, TX SG
- Martin Jaffe, IL-IN SG
- Tom Murray, VA SG
- Michael Orbach, NSGAB
- Stephanie Showalter Otts, NSG Law
- Sarah van der Schalie, NOAA
OCRM



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Hazard Resilient Coastal Communities

Membership Updates



- Joshua Brown, NSGO – *Chair*
- LaDon Swann, MS-AL SG – *Vice-Chair*
- Chris Hayes, NSGO – *Chair Alternate*
- Nicole Kurkowski, NOAA Weather Service
- Wendy Carey, DE SG
- Gene Clark, WI SG
- Joe Cone, OR SG
- Dennis Hwang, HI SG
- Elizabeth LaPorte, MI SG
- Darren Lerner, HI SG
- Monique Myers, CA SG
- Frank Niepold, NOAA Climate Program
- Harry Simmons, NSGAB
- **Elizabeth Bevan, NSGO – Coastal Communities Specialist (replacing Hank Hodde)**



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Thanks To Past Member:

- Sarah Abdelrahim (new job)
- Christa Rabenold, NOAA NWS (new job)
- Robert Bacon, SC SG (retired)



Healthy Coastal Ecosystems

Membership Updates



- Dorn Carlson, NOAA – NSGO (Chair)
- Jim Eckman, CA (Vice-Chair)
- Chelsea Lowes, NOAA – NSGO (Alternate Chair)
- Dianne Lindstedt, LA SG
- Russ Herwig, WA
- Judith Weis, NJ
- Nancy Rabalais, SG Advisory Board
- Darren Okimoto, HI SG
- Margaret Van Patten, CT SG
- David MacNeill, NY SG
- Bess Gillelan, NOAA Habitat Conservation
- **Tammy Newcomer Johnson, NSGO *Natural Resource Specialist* (replacing Gabriel Dunham)**

Thank you to past member:
Steve Gaines, CA



Safe and Sustainable Seafood Supply

Membership Updates



- Gene Kim, NOAA – NSGO (Chair)
- Penny Dalton, WA (Vice-Chair)
- Ron Baird, RI
- Laurel Bryant, NOAA – NMFS
- Erik Chapman, NH SG
- Jim Diana, MI SG
- Chris Moore, Mid-Atlantic FMC
- Dana Morse, ME SG
- Phil Moy, WI SG
- Paul Olin, CA SG
- Rollie Schmitt, SG Advisory Board
- Jeff Stephan, AK
- Gil Sylvia, OR
- Galen Tromble, NOAA – NMFS
- **Tammy Newcomer Johnson, NSGO
Natural Resource Specialist (replacing
Gabriel Dunham)**

Thank you to past members:

- Amy Painter, NOAA – NSGO (New Job)
- Steve Otwell, FL SG (Retired)
- Terry Smith, NOAA – NSGO/NMFS (Retired)



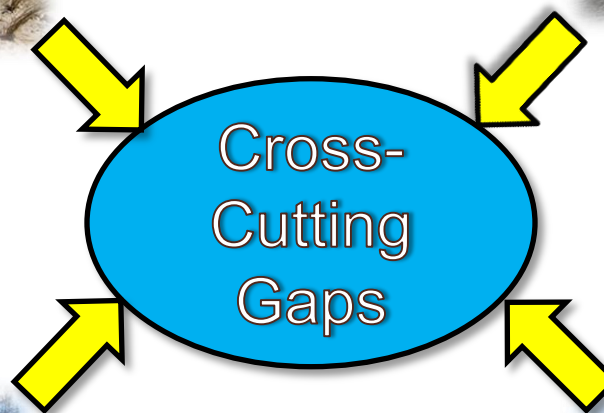
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Focus Areas 2009-2013



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Focus Area Cross-Cutting Gaps 2009-2013



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Cross-Cutting Gaps: *Education*

- Use of communications technologies in education on ecosystem-based management (HCE)
- Educating consumers about seafood sustainability (SSSS)
- Robust evaluation of outreach and education activities (HRCC)
- Demonstrating educational benefits of Sea Grant activities (SCD)



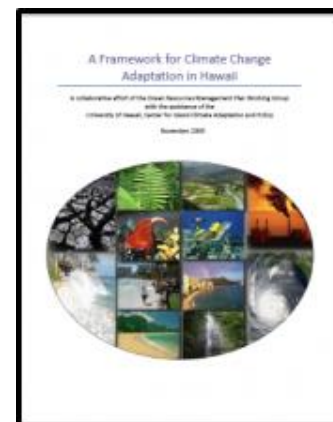
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Cross-Cutting Gaps: Climate Change



Photo Credit: Keoki Stender

- Impacts addressing climate change (HCE)
 - Habitat monitoring & restoration
 - Sea level rise & shoreline erosion
 - Stormwater management
- Climate and ocean acidification impacts (SSSS)
 - Aquaculture
 - Capture fisheries
- Planning for sea level rise and Great Lakes water level changes (SCD)
 - Water resources
 - Green infrastructure
 - Planning for sustainability



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Cross-Cutting Gaps: Social Science

- Increase capacity for ecosystem services valuation (HCE)
- Fishery infrastructure and working waterfronts (SSSS)
- Applying social science to local communities (SCD)
- Improving assessment and reporting of economic benefits of Sea Grant activities (SCD)

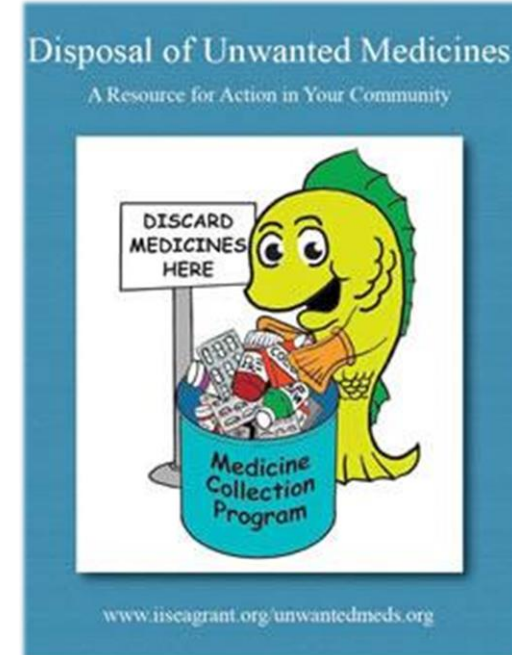


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Cross-Cutting Gaps: Partnerships

- Regional approach to ecosystems issues (HCE)
 - Aquaculture
 - STEM education
 - Pharmaceutical disposal program
- NOAA & FDA on seafood and fisheries (SSSS)
 - HACCP training
- Coastal communities & FEMA (HRCC)
- Disaster response (HRCC)
 - FEMA, state, & local emergency management
- Integrated floodplain management (HRCC)
 - Coastal mitigation, inundation, erosion, & sea level rise
 - FEMA's Community Rating System
 - 2012 Biggert-Waters Act



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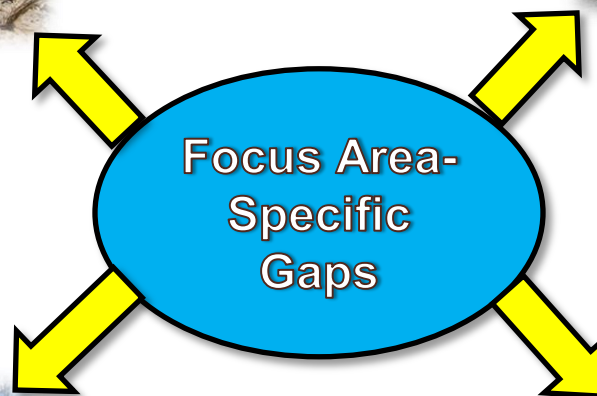
Focus Area-Specific Gaps 2009-2013



Healthy Coastal Ecosystems



Hazard Resilient
Coastal Communities



Safe and Sustainable
Seafood Supply



Sustainable Coastal
Development



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SCD Gaps

➤ Working with under-served communities



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- Restoration of natural ecosystems and resources



**Hazard Resilient
Coastal Communities**



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HCE Gaps

- Pre and post restoration monitoring of restoration efforts
- Improve the detection and analysis of invasive species
- Innovative and safe eradication methods for invasive species
- Increase research on harmful algal blooms (HABs)
- Baseline habitat research



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SSSS Gaps

- Catch shares
- Hatchery production issues
- Ecosystem based management and ecosystem evaluation
- Coastal marine spatial planning



Safe and Sustainable Seafood Supply

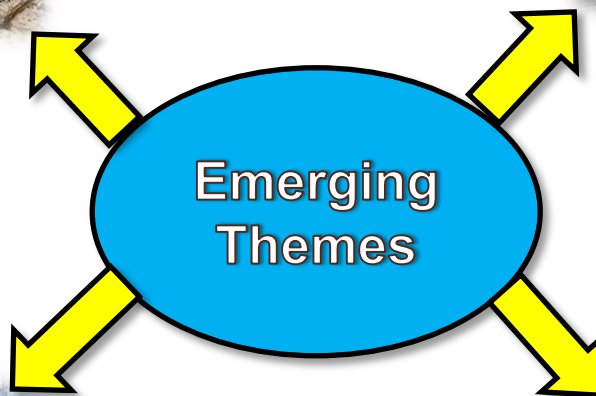


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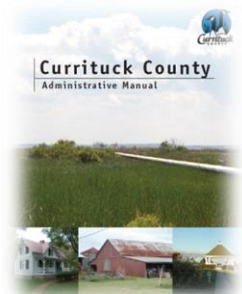
Focus Area Emerging Themes 2009-2013



SCD Emerging Themes



- Integrating green infrastructure (living shorelines/wetlands/bioengineering tools, etc.)
- Fostering policy and regulatory changes
- Successful Partnerships



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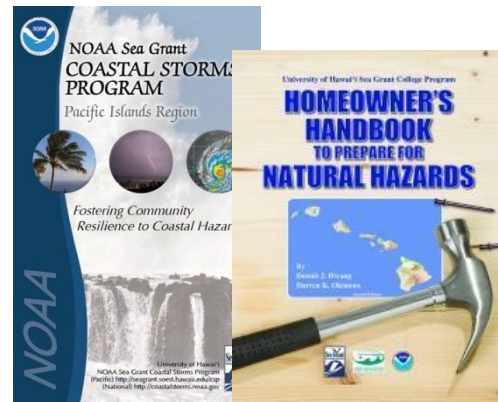
HRCC Emerging Themes

- Regional Collaborations
- Hurricane Sandy
- Beach Hazards Risk Communication



NOAA Sea Grant
Coastal Storms Program

Great Lakes
RESTORATION

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HCE Emerging Themes

- Blue Carbon
- Water Resources
- Integrating Natural & Social Sciences
- Sustainability Outreach & Education



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SSSS Emerging Themes

- The graying of the fleet
- Environmental & pollutant monitoring



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Questions/Comments?

Cross-Cutting Gaps

- Education
- Climate Change
- Social Science
- Partnerships

Focus-Specific Gaps

- SCD
 - Working with under-served communities
- HRCC
 - Restoration of natural ecosystems and resources
- HCE
 - Pre/post restoration monitoring
 - Detection & analysis of invasive species
 - Research on harmful algal blooms (HABs)
 - Baseline habitat research
- SSSS
 - Catch shares
 - Hatchery production issues
 - Ecosystems based management & ecosystems evaluation
 - Coastal marine spatial planning

Emerging Themes

- SCD
 - Integrating green infrastructure
 - Fostering policy & regulatory changes
 - Successful partnerships
- HRCC
 - Regional collaborations
 - Hurricane sandy
 - Beach hazards risk communication
- HCE
 - Blue carbon
 - Water resources
 - Integrating natural & social sciences
 - Sustainability outreach & education
- SSSS
 - The graying of the fleet
 - Environmental & pollutant monitoring